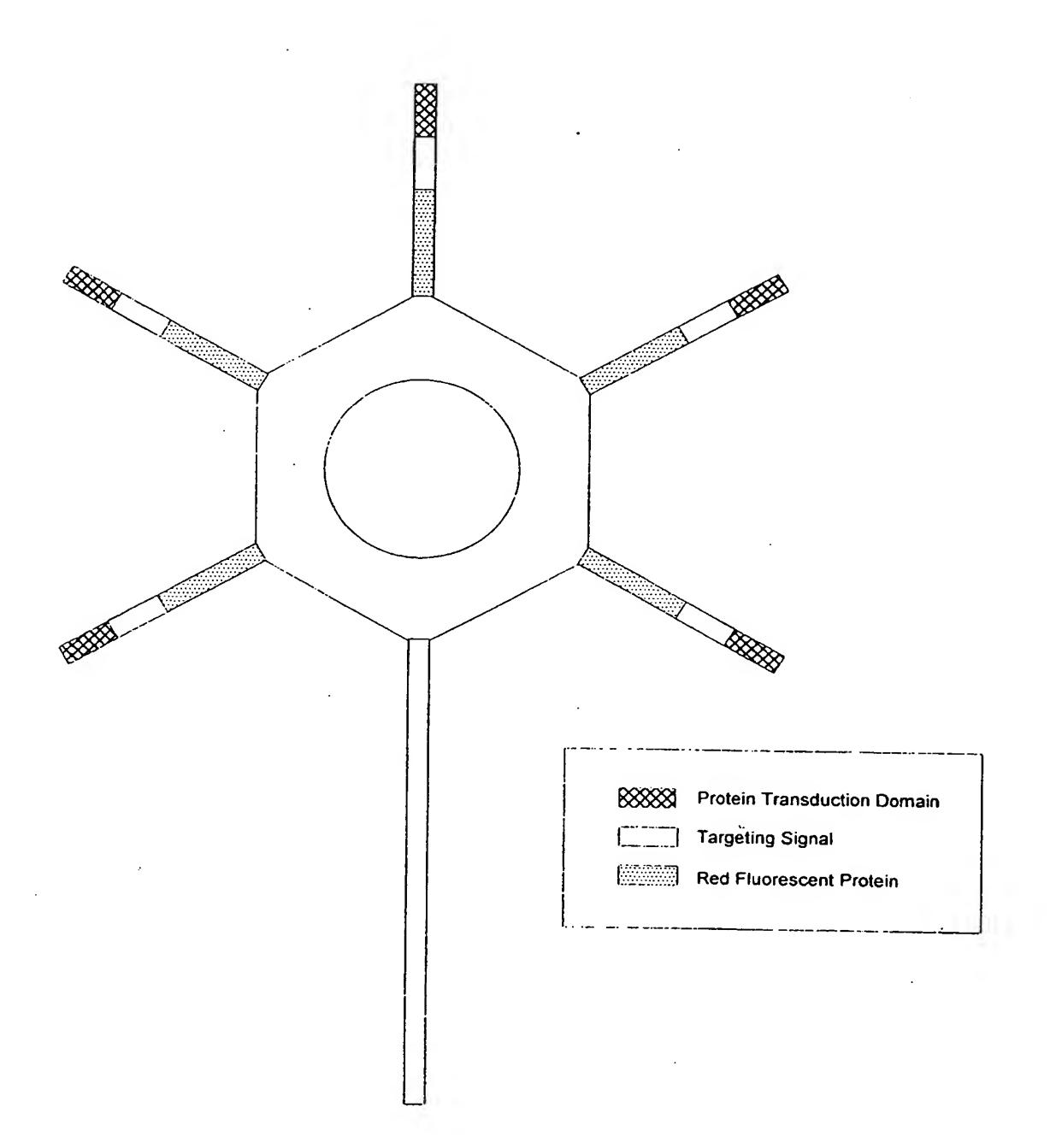
## Figure 1A

Inventor: KHAN

Docket No.: 60199.0001USWO
Title: Modified Vectors for Organelle Transfection

Attorney Name: Charles Vorndran Phone No.: 404.954.5061

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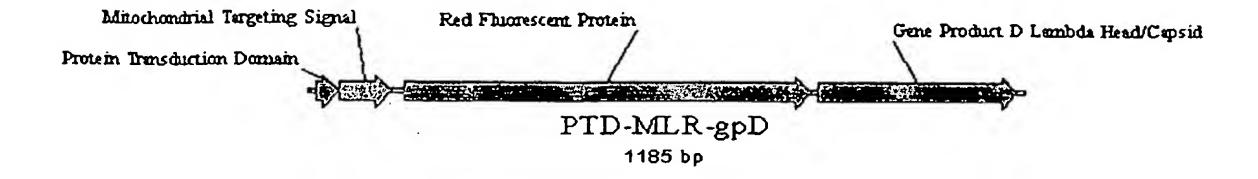


Figure 1B

Docket No.: 60199.0001USWO

Title: Modified Vectors for Organelle Transfection

Attorney Name: Charles Vorndran Phone No.: 404.954.5061

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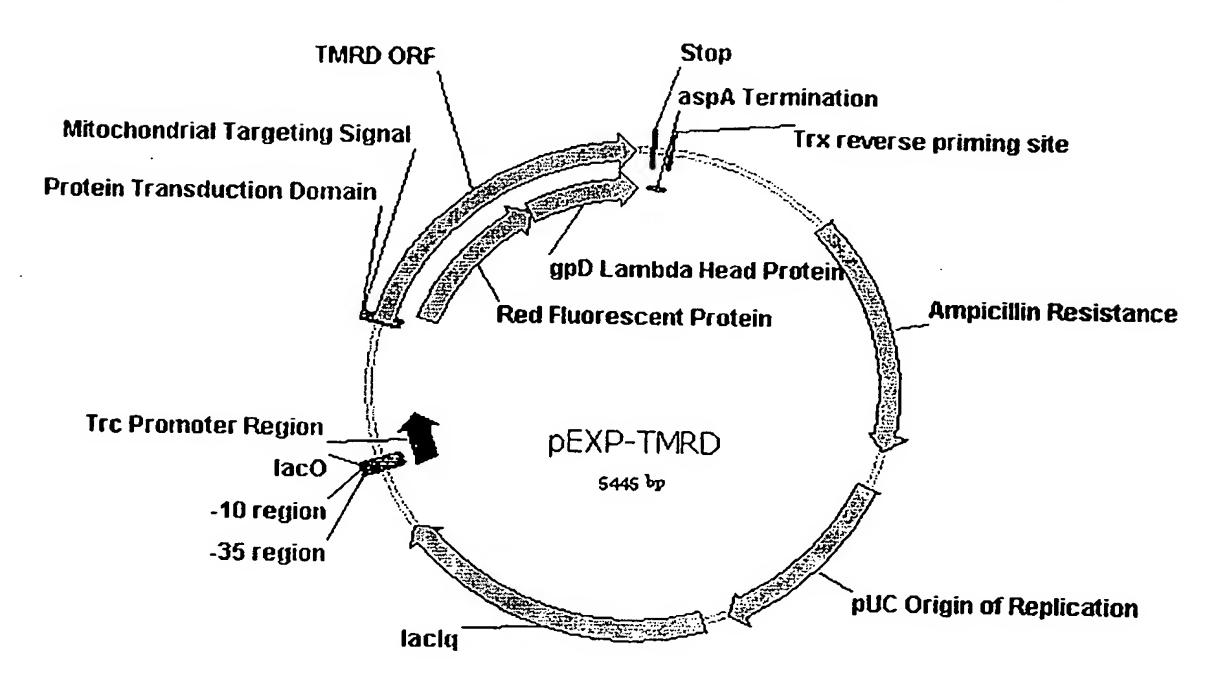
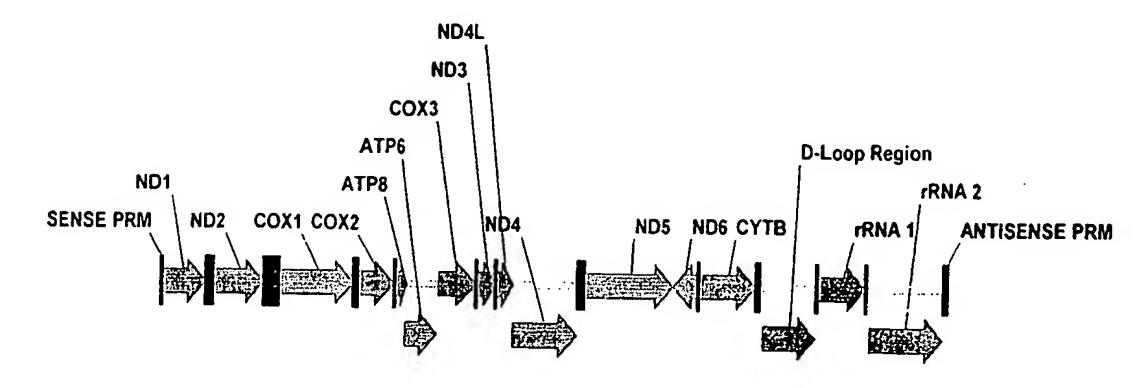


Figure 1C

Docket No.: 60199.0001USWO

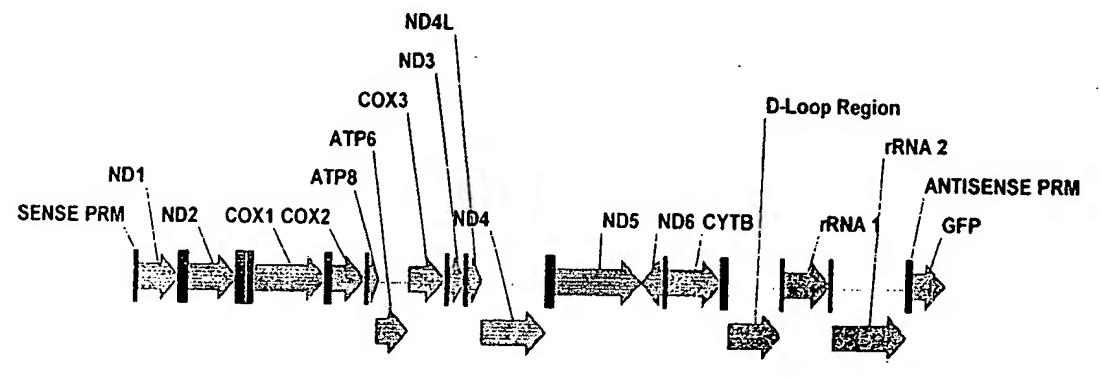
Title: Modified Vectors for Organelle Transfection Attorney Name: Charles Vorndran

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Full Length mtDNA PCR Amplicon 16571 bp





Full Length mtDNA Amplicon Ligated to GFP 17288 bp

Figure 2B

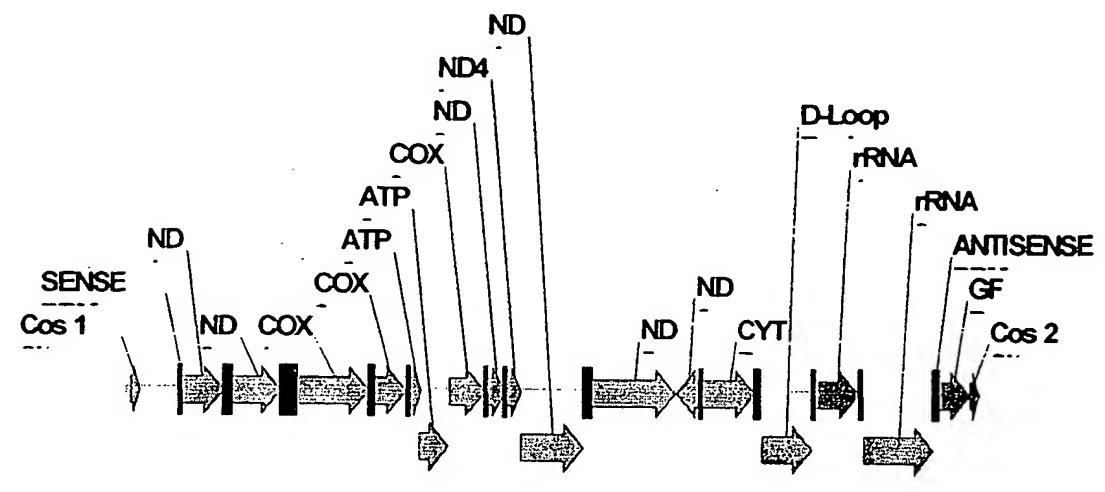
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Full Length mtDNA/GFP Ligated into 18656

Figure 3

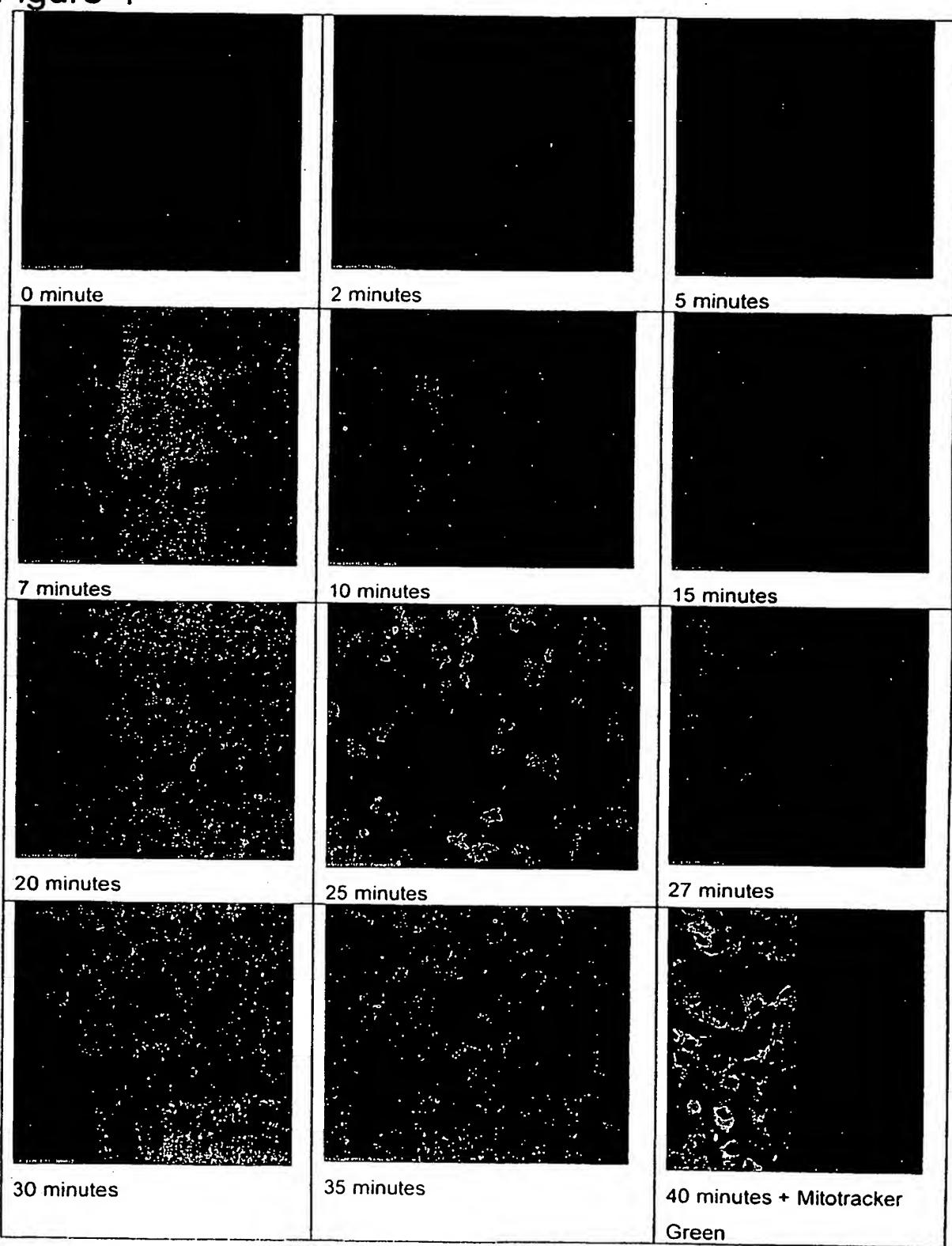
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Figure 4



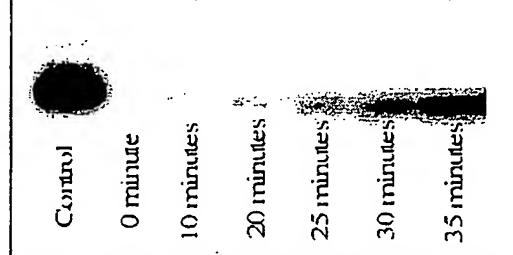
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RFP immunoblot showing isolated (Control)
TMRD and 0, 10, 20, 25, 30, and 35 minutes
after introduction of the modified lambda viral
vector into the cellular media. These blots
indicate that the viral vector was able to cross
the cellular and mitochondrial membranes,
reaching the mitochondrial inner matrix.



Cytochrome C immunoblot from the 10, 20, 25, 30, and 35 minute mitochondrial fractions positive for RFP.

Figure 5A

Figure 5B

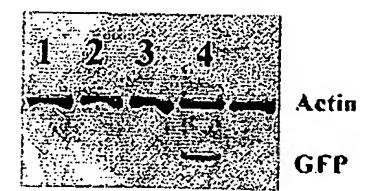
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Figure 6A



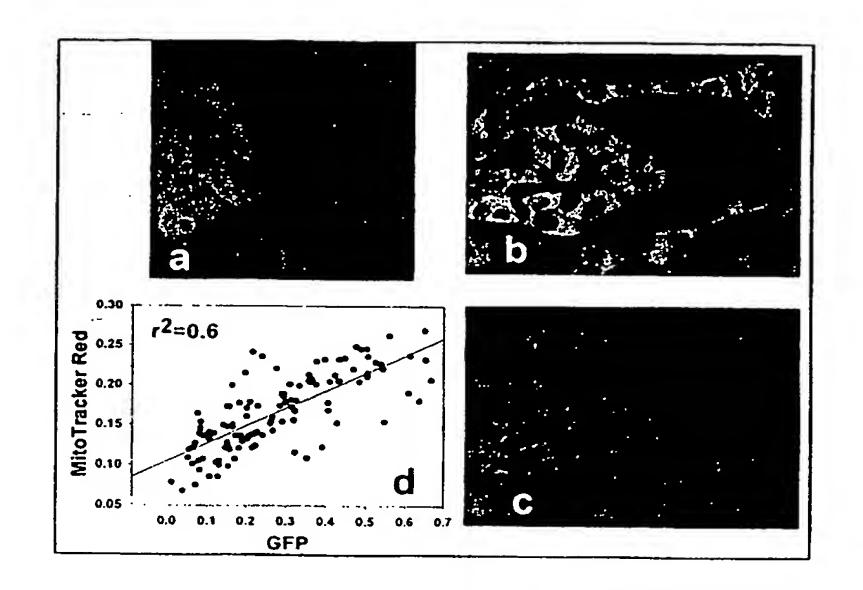
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## Figure 6B



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## Figure 7

